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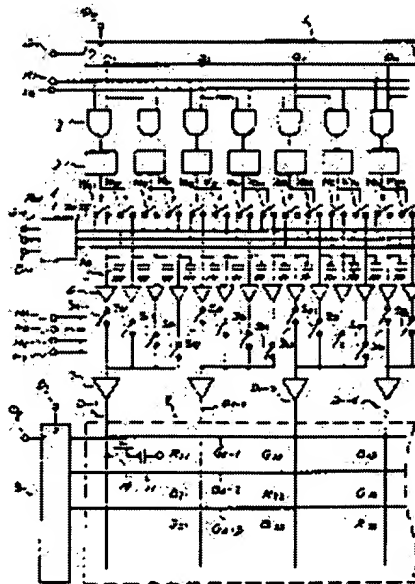
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(54) SEQUENTIAL SCANNING CIRCUIT FOR DOUBLE SPEED LINE

(57)Abstract:

PURPOSE: To drive the picture elements of two lines during one horizontal scanning cycle by dividing two different signal voltages sampled during a preceding horizontal scanning cycle twice and outputting during the one horizontal scanning cycle and driving the column signal electrode of an active matrix type liquid crystal panel.

CONSTITUTION: In the first horizontal scanning cycle of the first field, a shift matrix circuit 4 for inputting three primary color picture signals Red, Gre, Blu outputs signals Red, Rre, Rlu respectively to the respective signal lines of XR, XG, XB. In the first half of the subsequent second horizontal scanning cycle, the first line scanning electrode Ga-1 is selected and a signal R1 suitable for the picture element of the first line is applied to the column signal electrode Dr-k.



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In the latter half of the second horizontal scanning cycle, the second line scanning electrode Ga-2 is selected and a signal B2 suitable for the picture element of the second line is applied to the column signal electrode Dr-k. Thereafter, a similar operation is repeated, when the number of the vertical picture elements is 480 picture elements, for instance, the three primary color picture signals are sampled during the 240th horizontal scanning cycle and all the picture elements are selected and driven once respectively until the 241th horizontal scanning cycle.

LEGAL STATUS

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